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ASSOCIATION:

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KHOKHLOV, V.D., inchener.

Measuring tensions in the picking mechanism of a loom. Tekst.prom. 16 no.6:41-42 Je 156. (Pickers (Weaving))

KHOKHLOV, V. D.

PASHKOV, N.V.; KHOKHLOY, Y.D.

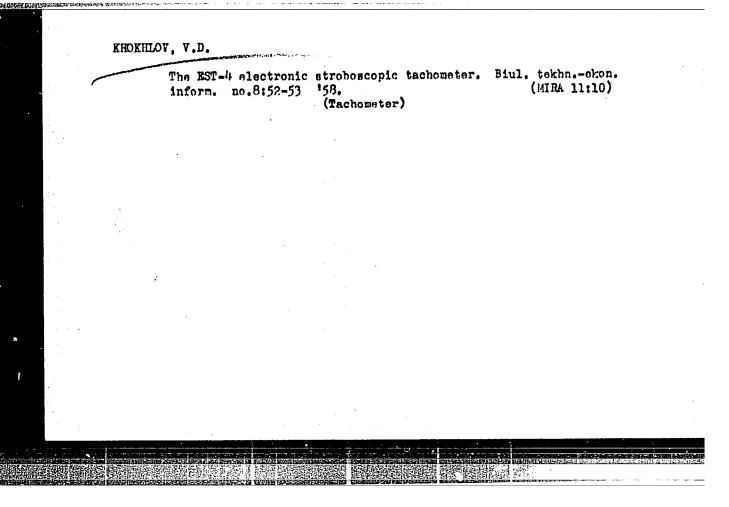
The APU-IMP automatic weft-straightening machine. Hul. tekh.-eken. inform. no.1:47-49 157. (MIRA 11:4)

MHOMHLOV, V.D., inshener.

Automatically scheduled temperature control in dyeing silk fabrics.

Tekst.prom. 17 no.9:36-39 S '57. (MIRA 10:11)

(Dyes and dyeing—Silk) (Automatic control)



High-frequency ionizers used for neutralizing static electricity charges. Biul.tekh.-ekon.inform. no.11:47-48 '58.

(HIRA 11:12)

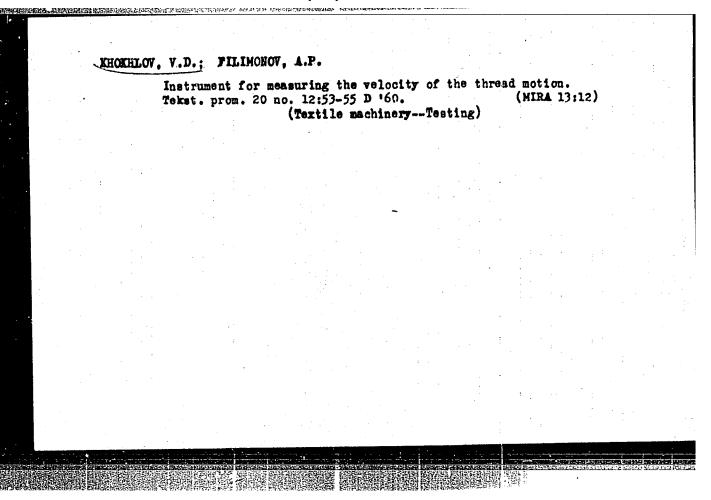
(Ionization of gases) (Blectrostatics)

KHOKHLOV, V.D., insh.

Small EST-4 electron stroboscopic tachometer. Tekst.prom. 18 no.10: 52 0 '58. (MIRA 11:11) (Textile machinery-Testing) (Tachometer)

POLONIK, P.A., inch.; KHOKHLOV, V.D., inch.

Instruments for measuring and neutralising charges of static electricity. Leg.prom. 18 no.12:32-35 D 58. (MIRA 11:12) (Electric meters)



STREET OF THE PROPERTY OF THE

VOL'SKIY, Vladimir Stepanovich; GORDON, Kheim Itskovich; KHOKHLOV, Y.S., insh., retsensent; TSEYTS, I.B., retsensent; DESTATIOV, M.I., insh., red.; DOBRITSINA, R., tekhn.red.

[Establishing enlarged norms for metal cutting; generalization of the practice in establishing enlarged norms] Ukrupnennoe tekhnicheskoe normirovanie stanochnykh rabot; obobshchenie opyta razrabotki ukrupnennykh normativov. Moskva, Mashgiz, 1961. 206 p.

(MIRA 14:12)

KHOKHLOV, V.D.

Ivan Vasil'evich Rusakov. Voen.-med. zhur. nc.4:87 Ap '61.
(MIRA 15:6)
(RUSAKOV, IVAN VASIL'EVICH, 1877-1921)

PIPON, A.B., KHCKHLOV, V.D. Setenblike work organization. Stall 25 no.12:1135-1138 (MIRA 18:12) D 165. Le Chelyabinskiy metallung cheekly marou.

ACC NR: AT7005808 (1/1/) SOURCE CODE: UR/0000/66/000/0090/0095

AUTHORS: Nikolayev, M. N.; Ignatov, A. A.; Khokhlov, V. F.; Shikhov, S. B.

ORG: none

TITLE: Method of subgroups and its application in the diffusion approximation

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Inzhenerno-fizicheskiye voprosy yadernykh reaktorov (Problems of nuclear reactor engineering and physics); sbornik statey. Moscow, Atomizdat, 1966, 90-95

TOPIC TAGS: transport equation, neutron diffusion, nuclear reactor, reactor neutron flux, neutron spectrum

ABSTRACT: The method of subgroups for solving the neutron transport equation with consideration of the energy dependence is discussed for the case when the structure of the neutron spectrum depends significantly on diffusion. Algorithms are given for calculating the distribution of subgroups in adjacent media, one of which has a resonance structure of the total cross section  $\Sigma_{\mathbf{t}}(\mathbf{u})$ . The portion of the cross

section curve containing the resonances where the average resonance parameters are approximately constant is separated out. The heutrons in the interval can be distributed into subgroups corresponding to the distribution of the magnitude of the total cross section. The diffusion equation for neutrons of subgroup k of the

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resonance medium is expressed in the form

$$\frac{1}{r^a}\frac{dJ^h(r)}{dr} = F^h(r) - \sum_{i=1}^{h} \Phi^h(r);$$

$$J^h(r) = -r^a D^h \frac{d\Phi^h(r)}{dr};$$

where the superscript k indicates quantities relating to the subgroup k, J is the neutron current,  $\Phi$  is the neutron flux, F is the subgroup sources including neutrons scattered into it and remaining in it, D is the diffusion constant, and  $\alpha$  is a parameter determined by the system geometry. Application of the method of subgroups to the region of high energies is also discussed. Orig. art. has: 15 equations.

SUB CODE: 18/2/SUBM DATE: none/ ORIG REF: 004/ OTH REF: 003

Cord 2/2

THOKHLOV, V.G.

AUTHOR:

WILLER, V. YA., Prof., KHOKHLOV, V.G., cand. techn. science,

PA - 2429

TITLE:

Received: 5 / 1957

A.M. PARFENOV "Sintering of Iron Ores" ("Aglomeratsiya zheleznykh BABUSHKIN N.M., eng. rud" . Russian) (Moscow, published by Metallurgizdat, 1954, 312 pages,

108 illustrations)

PERIODICAL

Stal', 1957, Vol 17, Nr 3, pp 286-288 (U.S.S.R.)

Reviewed: 6 / 1957

ABSTRACT:

The book reviewed contains a schematical description of the various methods of fracturing, preparing the blast furnace burden for sintering, the fundamental principles of the sintering process with blowing-through of air, evaluation of the quality of products, technological schemes, and projecting of sintering plants as well as a description of the equipment of such a plant. The first chapters are of too general a nature, when dealing with the size of the lumps of ore the influence exercised by this factor on the metallurgical properties of the sintering product receives too little attention. The theory of agglomeration is not substantiated by any experimental data. The deficiencies of this book are due to the fact that research work carried out abroad and in the U.S.S.R. was not dealt with with sufficient thoroughness, so that the book does not come up to the level of the present stage of both theory and practice.

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**APPROVED FOR RELEASE: 09/17/2001** CIA-RDP86-00513R000722130011-4" PA - 2429

A.M. PARFENOV "Sintering of Iron Ores"

ASSOCIATION:

URAL Institute for Iron Metals (Ural'skiy institut chernykh

metallov)

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

Card 2/2

S/193/61/000/002/005/009 A005/A004

AUTHOR:

Khokhlov, V.G.

TITLE:

The State of Welding-Electrode Production

PERIODICAL:

Byul. tekhn.-ekon. inform., 1961, No. 2, pp. 19 - 24

TEXT: In connection with the increase of manual electric arc welding with coated electrodes, it is planned to double the production of electrodes compared 1959. At present, 80% of the total amount of coated electrodes produced are used for welding of low-carbon and low-alloy steels, and 20% are intended for build-up welding and welding of high-alloy steels. All metallic electrodes for arc welding are subdivided by the standard specifications into the following classes depending on their purpose; electrodes for welding structural steels; for welding heat-resisting steels (GOST 9467-60); for welding high-alloy steels; electrodes for build-up operations. The Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i maunitnostroyeniya (TsNITTMASh) (Central Scientific Research Institute of Technology and Mechanical Engineering) will develop in 1961 new standards for electrodes for welding high-alloy steels and build-up welding. The specialized plants produce 10-40 t electrodes per shift. The welding wire is cut by automatic cutters

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The State of Welding-Electrode Production

with flying shears yielding 200 pieces per minute with the necessary straightness of the rods and good quality of cut. For cutting alloyed or carbon steels, guillotine machines are used which compensate the slip of wire by pulling rolls and ensure the uniformity of rod length. Rods with a slight rust coating are used without cleaning for electrodes with ore oxide coatings (UM -7, UM-7C, OMM-5 (TsM7, TsM-7S, OMM-5)). The known preparation methods are described for pulverizing, drying, and mixing the constituents of coating materials. The coatings are applied on automatic conveyer-lines. The pressure in the coating press amounts to 400-800 atm; the coating rate is about 800 pieces per minute. The most effective machines have hydraulic drive. The Opytnyy svarochnyy zavod Moskovskogo gorodskogo sovnarkhoza (Experimental Welding Plant of the Moscow Municipal Sovnarkhoz) has developed the 003 -3 (OSZ-3) device which makes it possible to determine the nonuniformity in coating thickness during the pressing process, which considerably increases the electrode quality. The average output of the OSZ-3 machine amounts to 7-8 t of electrodes 5 mm in diameter per shift. The coatings applied are dried in the air for 8 - 24 h and calcined in chamber or tunnel furnaces, or drying and calcination are combined in conveyer furnaces incorporated in the conveyer-line together with the coating machine. The furnaces developed by the Elektrodnyy zavod Ministerstva putey soobshcheniya (Electrode

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The State of Welding-Electrode Production

Plant of the Ministry of Transpart) at Babushchkin have the optimum service qualities. The calcined electrodes ge to the package section where the control of the coating strength and the calcinat; degree as well as the sampling for mechanical testing is effected. In the course of the Seven-Year-Plan several big electrode plants will be built with a yearly output of 60,000 t, and the industrial production of the fundamental equipment for electrode manufacturing will be increased: electrode coating presses with an output of 10 t per shift, electric conveyer furnaces for drying and calcining of electrodes, and straightening-cutting automatics. Many electrode grades will be replaced by improved ones: the widely used 4 -7, JMM-5, YJHM-13 (TSM-7, OMM-5, UONI-13) electrodes containing large portions of ferromanganese and calcium fluoride will be replaced by other grades containing smaller quantities of harmful admixtures. Particularly, the electrode coatings on the rutile base will be developed. At present, the TSNIITMASh has developed the new TsM-9 electrode, and the Proyektnyy institut Promstal'konstruktsiya Ministerstva stroitel'stva RSFSR (Design and Planning Institute of Industrial Steel Structure of the Ministry of Building of the RSFSR) has developed the 10-1 and MP -3 (MR-1 and MR-3) electrodes whose coatings are based on rutile. The Institut gigieny truda i profzabolevaniy Akademii meditsinskikh nauk SSSR (Institute of

Card 3/5

3/193/61/000/002/C05/009 A005/A004

The State of Welding-Electrode Production

Labor Hygienics and Occupational Diseases of the Academy of Medical Sciences of the USSR) recommended these electrodes instead of the OMM-5 electrodes after sanitary-hygienic evaluation. - On the base of rutile and iron powder, electrodes for high-speed welding of low-carbon steels in deep-bottom position of the seam have been developed and introduced, which replace the TsM.7 and TsM-7S electrodes. The Opytnyy svarochnyy zavod (Experimental Welding Plant), the Proyektnyy institut Promstal konstruktsiya (Design and Planning Institute of Industrial Steel Structures), and the Institut elektrosvarki AN UkrSSR im. Ye.O. Paton (Institute of Electric Welding of the Academy of Sciences of the UkrSSR) and other enterprises and organizations carry out the development and introduction of these electrodes. Within the next years, the output of iron powder will be increased and that of electrodes with plastic coatings, which were developed by the Vsesoyuznyy Nauchno-issledovatel skiy institut stroitel stva truboprovodov (VNIIST) (All-Union Scientific Research Institute of the Construction of Pipelines). These electrodes practically do not moisten; the coating does not lose its strength and welding properties by long-time exposure to water, even without additional drying, which, in particular, is important for welding under field conditions and underwater welding. The institutions mentioned have developed also new electrodes with a gasshielded cellulose coating which does not form slag. The Institut Metallurgii AN

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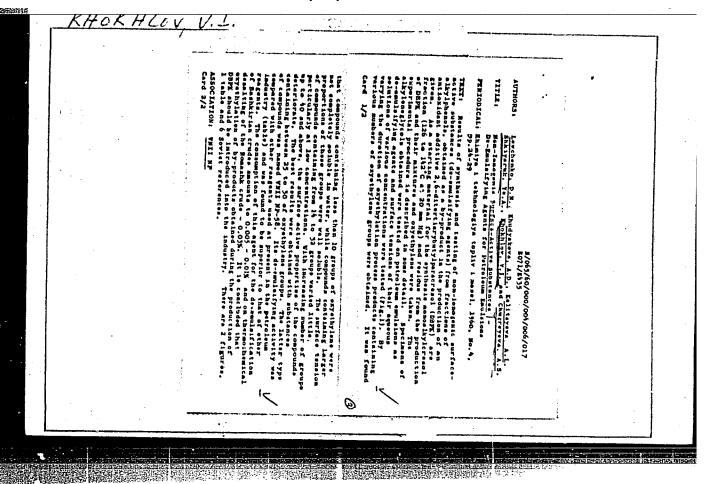
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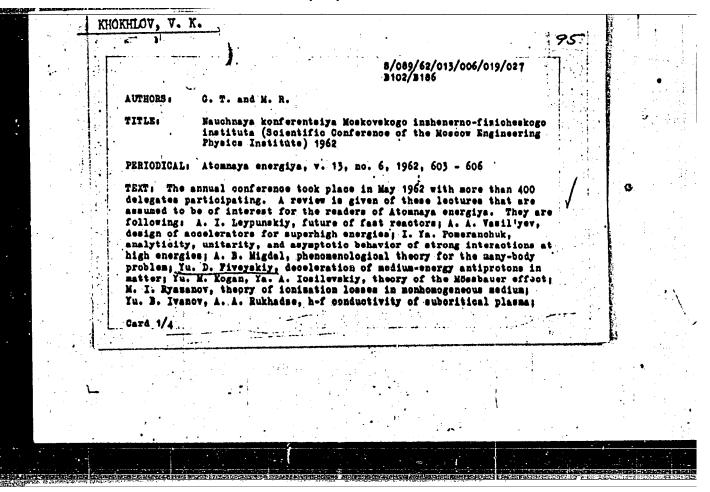
The State of Welding-Electrode Production

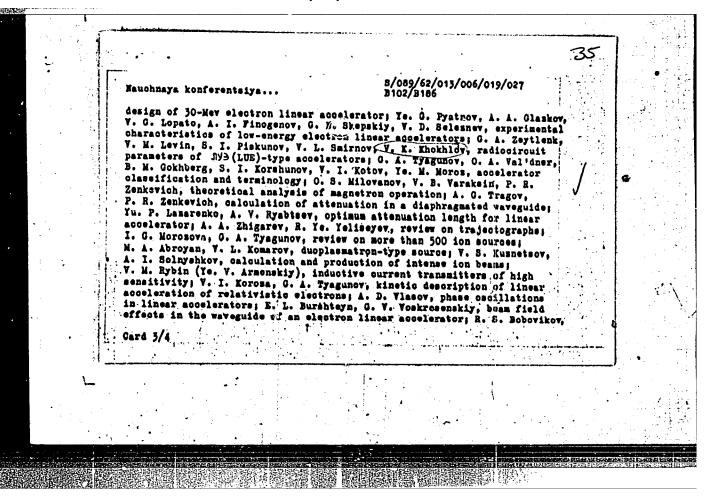
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SSSR im. Baykova (Institute of Metallurgy of the Academy of Sciences of the USSR im. Baykov) has devoloped electrodes with non-oxidizing coating. The "Chirchikselmash" Plant produces a conveyor furnace, where the electrodes are heated by infrared rays. In conclusion, the following problems are listed: development of new electrode grades, the application of new materials of lower toxicity, the development of new equipment and devices for the production of bundle and slag-free electrodes.

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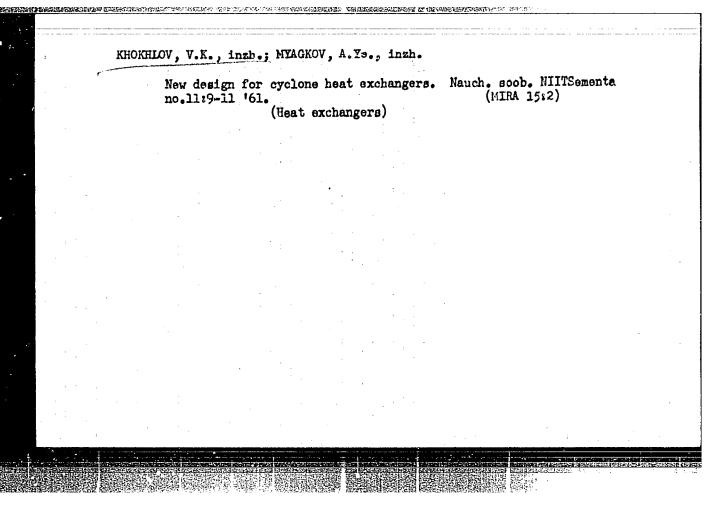
KHOKHLOV, V.K., inzh.

Attaching sluryy concentrators to rotary kilns. Nauch.soob.NIITSementa no.8:1-7 '60. (MIRA 14:5)

(MIRA 14:5)

KHOKHLOV, V.K., inzh.; KROYCHUK, L.A., inzh. Nauch. soob NIITSementa no.9: Ways of improving the slag feeders. 6-8 '66.

(Cement kilns)



DESHKO, Yu.I.; KREYMER, M.B.; OGARKOVA, T.A.; KHOKHLOV, V.K., inzh., nauchnyy red.; CHERKINSKAYA, R.L., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Adjustments and heat-engineering tests of rotary kilns at cement plants]Naladka i teplotekhnicheskie ispytaniia vrashchaiushchikhsia pechei na tsementnykh zavodakh. Moskva, Gosstroiizdat, 1962. 242 p. (MIRA 16:1)

(Kilns, Rotary)

GOFMAN, G.M.; KHOKHLOV, V.K.

Choosing the control point for the temperature of the material in a kiln. TSement 28 no.3:9 My-Je '62. (MIRA 15:7)

1. Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy institut tsementnoy promyshlennosti.

(Temperature regulators)

(Kilns, Rotary)

VOROB'YEV, Kharlampiy Sergeyevich; MAZUROV, Dmitriy Yakovlevich;

KHOKHLOV, V.K., retsenzent; KHRUSTALEVA, N.I., red.;

YEZHOVA, L.L., tekhn. red.

[Heat-engineering calculations for cement kilns and instruments] Teplotekhnicheskie raschety tsementnykh pechei i apparatov. Moskva, Vysshaia shkola, 1962. 349 p. (MIRA 16:4)

1. Rukovoditel' laboratorii obzhiga Vsesoyuznogo nauchnoissledovatel'skogo instituta tsementnoy promyshlennosti (for Khokhlov).

(Cement industries-Equipment and supplies)

BANIT, F.G.; GERSHMAN, M.I.; LEONTENKOV, A.I.; OLEYNIKOVA, N.I.;
PERTSIK, N.G.; PIROTSKIY, V.Z.; SLIVITSKAYA, F.R.;
KHOKHLOV, V.K.; ASTANSKIY, L.Yu., nauchn. red.; TYUTYUNIK,
M.S., red.izd-va; ERUSINA, L.N., tekhn. red.

[Cement industry; its present status and prospects for development] TSementnaia promyshlennost; sostoianie i perspektivy razvitiia. [By] F.G.Banit i dr. Moskva, Gosstroizdat, 1963. 258 p. (MIRA 16:12)

EL'PERIN, I. T.; KHOKHLOV, V. K.

"High-temperature thermal processing of material in cascade equipment with a surging fluidized bed,"

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Inst of Heat & Mass Transfer, AS BSSR, All-Union Sci Res Inst of Cement.

KHOKHLOV, V.K.; PRUDNIKOV, I.A.; V'YALITSYN, V.A.; NADYBIN, A.I.

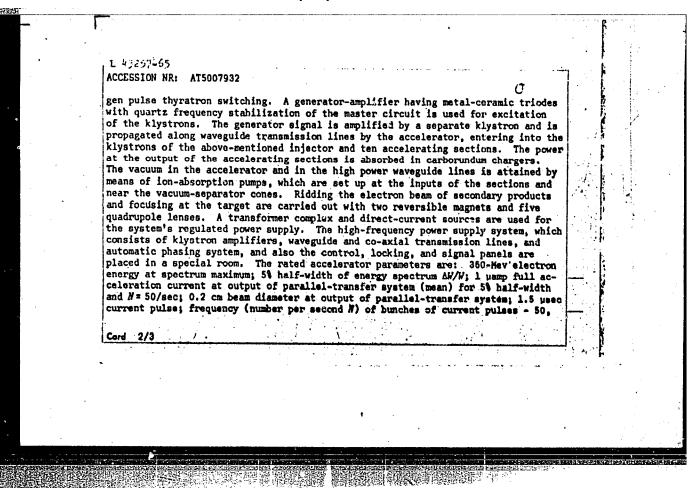
Experimental testing of a model of the bunching section of a 50 Mev. linear electron accelerator. Elektrofiz. app. no.2:104-114 '64. (MIRA 18:3)

ACCESSION NR: ATS	A V . Culoba	yev, I. S.; Yere	S/0000/64/000 menko, Ye. V.; Kond ; Halyshev, I. F.;	ratenko, V. V.	nol	
V. V.; Semenav, A.	N.; Turkin,	ccelerator of el	ectrons with output	energy 2 Gev		
SOURCE: Internat: Trudy. Hoscow, At TOPIC TAGS: high	tomizdat, 1964	4, 420-424	y Accelerators. Du		ron	
ABSTRACT: The act 4.5 meters long. phase velocity eq The operating free celerating section 2 Gev, the mean c	The acceleratual to the vel quency of the n equal to 370 current is 1.2	sists of an injector operates with locity of light caccelerator is accelerator is a pump for a trans	tor and 49 accelerate a traveling 1/2=-by and group velocity 1797 mc for a temper of the accelerated emission frequency confrest mass. The the klystron amplification of the confrest mass.	ating sections wave with const requal to 0.00 reture of the slectron beam of 50 times per shigh-frequence	each	
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L 46163-65 ACCESSION NR: AT5007930 tation of the klystrons is carried out from a common wave-guide line, which is supplied from a high power klystron excited by a regulated master oscillator. The group velocity of the electromagnetic wave in the excitation line is equal to about 0.805 c. The constant phase of the electromagnetic wave at klystron output is maintained by a phasing system with an accuracy of  $\Delta \phi = \pm 2^\circ$ . The accelerating sections are installed in a special bunker which has a concrete wall-like shield and is covered on top by sectional reinforced-concrete slabs. The output installation is shielded by a special earthen enclosure covered by reinforced-concrete slabs. Purification of the beam from harmful admixtures is carried out by means of a magnetic parallel transfer system and magnetic separators. The present report discusses the parameters of the main units, such as: the injector, the vacuum system (2·10<sup>-6</sup> nm/Hg), the accelerator's high-frequency pulsed power supply, the output installation, the formation and measurement of the beam, the control of the accelerator. It is planned to store the electrons and positrons which are obtained by the present accelerator in a suitable ring, but experience must first be gained with small storage rings and colliding beams, under study at the Physico-technical Institute, Academy of Sciences, Ukrainian SSR. The present accelerator was constructed in accordance with the principle of uniform structure, but not constant field. The entire adjustment phase of the large accelerator's operation is carried

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AUTHOR: Yel'ter, A. K.; Zeytlenok, G. A.; Halysh	Grishayev. I. A.: D	em'vanenko. G. K	K.: Zvkov. A. I.	32		. •	
TITLE: Linear traveling		19				٠	
SOURCE: International C Trudy. Moscow, Atomizda	conference on High En	ergy Accelerator	Dubna, 1963	•			
TOPIC TAGS: high energy waveguide	accelerator, travel	ling wave electro	on accelerator,	Injector			
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•	construction of the electron	injector and the remaining p	parameters of the acceler	at-
	ed beam were discussed by Y.	A. Vishnyakov et al. (same of ters relating to the adjustment	conference p. 440). The ent of the accelerator:	the
	system's electrodynamic and	loaded characteristics, the	accuracy of construction	of
	ithe sections, their resonant	ce frequencies, group velocity ne principal accelerating ham	y and damping, shunt resi monic. Orig. art. has:	6
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KHAVOFENKO, J.V., doktor takbn. mad; BANIT, F.O., Inod. colen. noch; KHOKHLOV, V.K., inzh.; BATRAKOVA, G.S., inzh.

Specific features in the preparation of a raw exterial latch in a kiln with a cyclone neat exchanger. (Sement 31 ro. 217-12 frap. 165.

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13	L 00941-66 EMT(m)/EPA(w)-2/EMA(m)-2 IJP(c)  ACCESSION NR: AT5015936 UR/3092/65/000/003/0037/0045  AUTHOR: V'valitsyn, V. A.; Nadybin, A. I.; Prudnikov, I. A.; Ryabtsov, A. V.;  Smirnov, V. L.; Khokhlov, V. K.  TITLE: Investigation of the accelerating system of a 5-Mev linear accelerator  SOURCE: Moscow, Nauchno-issledovatel'skiy institut alektrofisicheskoy apparatury. Elektrofisicheskaya apparatura; sbornik statey, no. 3, 1965, 37-45
	TOPIC TAGS: electron accelerator, 5 Mev linear accelerator  ABSTRACT: The results of testing an experimental model of the 5-Mev linear electron accelerator which is intended for beta and gamma therapy are reported. The accelerating system is made in the form of a 2338.3-mm long septate waveguide operating at \$\Pi/2\$ mode. The initial 767-mm long section of the waveguide has variable dimensions so that the phase velocity and field-strength amplitude can be continuously varied to ensure a high capture coefficient. These measured
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6			characteristics are presented: energy and accelerated-beam energy-spectric width vs. frequency (maximum energy, around 2798.6 Mc); ratio of acceleration current to injection current (capture) vs. frequency (80% correspond about 2800 Mc); energy, energy-spectrum width and capture vs. r-f powers quantities vs. injection current; energy and energy-spectrum width vs. injecturent; energy and energy-spectrum width vs. injection voltage. The energy present of electrons at the spectrum half-height is 25% or less; the average current of accelerated electrons, 70 ps. Orig. art, hast 10 figures and 1 formula.	ated- ds to same			
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TEREMETSKIY, Konstantin Nikolayevich; KHOKHLOV, V.K., inzh., nauchn. red.

[Designing cement and asbestos cen nt plants] Proektirc-vanie tsementnykh i asbestotsementnykh zavodov. Moskva, Strolizdat, 1964. 149 p. (MIRA 18:1)

KHOKHLEN, WALL

89-4-5-6/26

AUTHORS:

Zeytlenok, G. A., Rumyantsev, V. V., Smirnov, V. L.,

Fomin, L. P., Khokhlov, V. K., Grishayev, I. A.,

Zeydlits, P. M.

TITLE:

Principles of the Selection of the Basic Parameters of a Linear Accelerator of Electrons to High Energy (Osnovaniya

dlya vybora osnovnykh parametrov lineynykh uskoriteley

clehtronov na bol'shiye energii)

PERIODICAL:

Atomnaya Energiya, 1958, Vol. 4, Nr 5,

pp. 448 - 454 (USSR)

ADSTRACT:

By a comparative analysis the dependence of the accelerator length, the number of sections, the input power, the construction costs, and the possibilities of use on the value of the electric field strength in the axis of the waveguide are shown. The section of the waveguide in this case is fed

independently by a high-frequency generator.

The minimum of the construction cost and of the possibilities of use is not determined by the final energy of the electrons.

Card 1/3

89-4-5-6/26

Principles of the Selection of the Chief Parameters of a Linear Accelerator for Electrons of High Energy

There is no relation between these points. It could be shown that for the feeding of the accelerator sections a highfrequency generator with a power of more than 20 KW is best suited. The problem of the increase of the duration of the useful part of the high-frequency impulse is ventilated. If a rectangular waveguide is used, the duration of the impulse at the input of the excitation line must be increased by the amount of  $L/V_{limit}$  - L/C. In this case it is as well necessary that the high-frequency impulse reaches the amplifying klystron of the first section with a deceleration of the same amount. For that purpose a special synchronizing scheme is needed which simultaneously transfers the phase shift to the other sections. The relation between the duration of the useful part of the impulse and the total duration of the impulse is independent of the final energy of the accelerated electrons. There are 13 figures, 1 table and 2 references, 1 of which is Soviet.

Card 2/3

09-4-5-6/26

Principles of the Selection of the Chief Parameters of a Linear Accelerator of Electrons to High Energy

SUBMITTED:

May 14, 1957

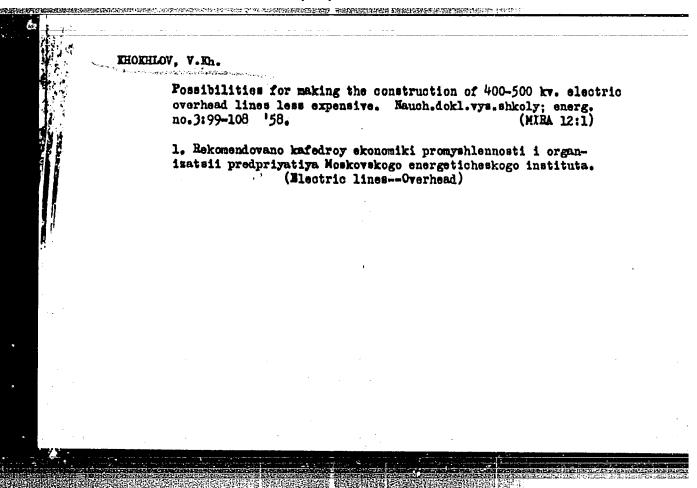
AVAILABLE: Library of Congress

1. Electron accelerators-Design

Card 3/3

KHOKHLOV, Viktor Konstantinovich; PROTSENKO, E., red.; MUKHIN, Yu., tekhm.

Annushka. Moskva, Gos. izd-vo polit. lit-ry, 1961. 35 p.
(MIRA 14:7)
(Kostroma Province—Dairying)



### KHONHLOV, V.Kh., dotsent

Problems concerning the determination of the production costs and economic efficiency of transmitting electric power by long-distance a.c. power transmission lines. Izv. vys. ucheb.

Eav.; energ. 4 no.8:47-55 Ag '61. (MIRA 14:8)

1. Moskovskiy ordena Lenina energeticheskiy institut.
Predstavlena kafedroy ekonomiki promyshlennosti i organizatsii predpriyatiy.

(Electric power distribution-Alternating current)

KHOKHLOV, V.Kh., dotsent

Letter to the editor. Izv. vys. ucheb. zav.; energ. 5 no.7: 121-122 Jl '62. (MIRA 15:7) (Electric power distribution) (Electric lines-Overhead)

KHOKHLOV, Vikentiv Khokhlov; ATZERMAN, M.A., doktor tekhn. nauk, otv. red.; KLIMOV, V.A., red. izd-va; DOROKHINA, I.N., tekhn. red.

[Hydraulic power amplifiers] Gidravlicheskie usiliteli moshchnosti. Izd.2., perer. i dop. Moskva, Izd-vo AN SSSR, 1963. 101 p. (MIRA 16:7)

(011 hydraulic machinery) (Automatic control)

# S/275/63/000/002/004/032 D405/D301

AUTHORS:

Levin, V.M., Khokhlov, V.K., Semenov, A.N., Rumyantsey, V.V., Stepanov, S.M., Suslenko, V.K., Fomin, L.P., Shikhov, V.Ya. and Chubinskaya, I.L.

TITLE: Property

Linear 5-35 Mev electron accelerator with X-ray head for medical purposes

PERIODICAL:

Referativnyy zhurnal, Elektronika i eye primeneniye, no. 2, 1963, 46, abstract 2A269 (Elektron. uskoriteli, Tomsk, Tomskiy un-t, 1961, 10-15 (Gollection))

TEXT:

A pulsed accelerator is described. The frequency of the microwave field is about 2800 Mc; the electron energy can smoothly vary from 3 to 35 Mev; the mean electron current in the entire range can be brought to 18 microampere. The technical characteristics and the design of the accelerator are described. The accelerating system, the microwave supply, the vacuum system and the X-ray head device are considered in detail. All the accelerator elements were tested on laboratory stands and the working drawings

Card 1/2

Linear 5-35 Mev electron		ron	S/275/63/000/002/004/032 D405/D301				2
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Card 2/2							7,

KHOKHLOV, V.P.; IANGE, V.I., redaktor; MEL'NIKOVA, N.V., tekhnicheskiy redaktor.

[Brief manual of a furniture maker] Kratkii spravochnik mebel'shchika.

Moskwa, Gos. izd-vo mestnoi i toplivnoi promyshlennosti RSFSR, 1954.

317 p. (MLRA 8:2)

(Furniture industry)

MOSKALEVA, L.A., ingh.; RYZHOV, A.I., ingh.; STEPANOV, S.M., ingh.; TIMOFETEV, V.A., ingh.; KHOKHLOV, V.P., ingh.

Project for the over-all mechnization and automatization of furniture manufacture at the Moscow Furniture Assembly Combine No.2.

Der.prom. 9 no.10:3-6 0 60. (MIRA 13:10)

(Moscow-Furniture industry) (Assembly-line methods)

L 6574-66 EWT(1)/EWA(h)/ETC(m) WW

ACC NR: AP5025050

SOURCE CODE: UR/0286/65/U00/016/0091/0091

AUTHORS: Viktorov, V. A.; Petrov, B. N.; Abramov, A. S.; Maslov, G. S.; Khokhlov, V. P.; Samsonov, G. A.

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ORG: none

TITLE: Resonance level gauge. Class 42. No. 173971

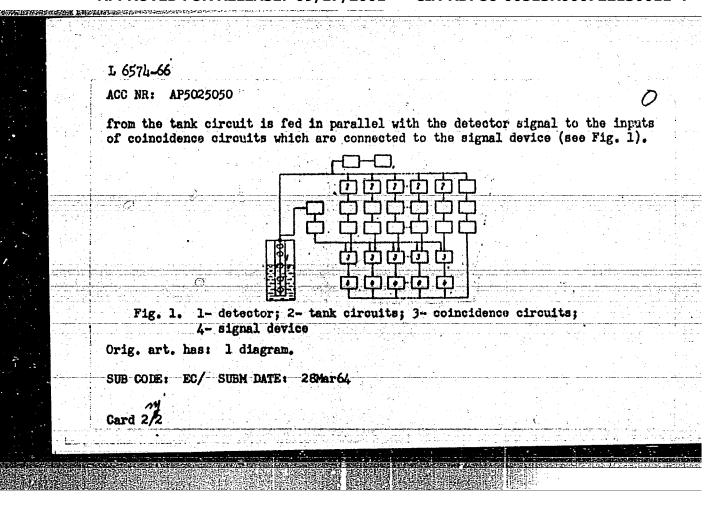
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 91

TOPIC TAGS: liquid level indicator, resonator, HF oscillator, electronic circuit

ABSTRACT: This Author Certificate presents a resonance level gauge containing a high frequency oscillator for exciting a resonance detector with a step frequency characteristic and a frequency modulator for periodic variation of the oscillator frequency in the range of the level variation. To increase the accuracy of discrete measurement of the liquid level at given points, the device is provided with tank circuits excited by the oscillator at the same time with the detector. The tank circuits are tuned to the frequencies determined by the given values of the measured level. With the coincidence of the resonance frequency of the detector and the resonance frequency of the corresponding tank circuit, the signal

Card 1/2

UDC: 681.128.82



EWT(1)/EWA(h)/ETC(m) SOURCE CODE: UR/0286/65/000/016/0092/0092 AP5025053 ACC NR: AUTHORS: Viktorov, V. A.; Petrov, B. N.; Abramov, A. S.; Maslov, G. S.; Khokhlov, V. P.; Samsonov, G. A.  ${\mathcal B}$ ORG: none TITLE: Resonance level gauge. Class 42, No. 173974 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 92 TOPIC TAGS: liquid level indicator, resonator, electronic macification oscillator ABSTRACT: This Author Certificate presents a resonance level gauge containing a frequency-modulated oscillator for exciting the resonance detector and tank circuits tuned to the frequencies corresponding to the discrete values of the measured level divided in height at equal intervals. To increase the accuracy of digital level measurement with nonlinear variation of the detector and oscillator output characteristics, the gauge is provided with a device in the form of trigger counters. These counters determine the number of scale pulses from the tank circuits given off with the coincidence of the oscillator frequency and the resonance frequency of the corresponding tank circuit until the appearance of the detector UDC: 681.128.82

L 7639-66

ACC NR: AP5025053

pulse. The gauge is also provided with a device for determining the time lag of the detector pulse relative to the immediately preceding scale pulse. These devices are connected through controllable logic switch elements respectively to the output of the tank circuits and to the output of the clock oscillator (see Fig. 1).

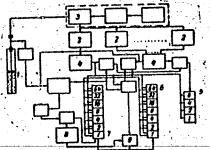


Fig. 1. 1- detector; 2- tank circuits;
3- frequency-mcdulated oscillator;
4- scale pulse counter; 5- counter for time lag of detector pulse relative to immediately preceding scale pulse;
6- logic elements; 7- switches;
8- clock oscillator; 9- counter for determining time interval between two scale pulses

To increase the accuracy of measurements, the gauge is provided with a device for determining the time interval between scale pulses. The device is in the form of a trigger counter connected to the clock oscillator by two electric channels with switches. One of the switches is controlled by the logic elements. The

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	L 7639-66 ACC NR: AP5025053
	other is opened by the detector pulse and is closed by the immediately following scale pulse. Orig. art. has: 1 diagram.
	SUB CODE: EC/ SUBM DATE: 28Mar64
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# KHOKHLOV, V.R.

SOV/137-58-8-16678

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 63 (USSR)

AUTHOR: Khokhlov, V.R.\_\_

Composition and Behavior of a Copper-cyanide Complex in the TITLE:

Cyanidation Process (Sostav i povedeniye mednotsianistogo

kompleksa v protsesse tsianirovaniya)

PERIODICAL: Tr. Irkutskogo gornometallurg, in-ta, 1956, Nr 11, pp

102-126

ABSTRACT: A study is made of the effect of a copper-cyanide complex

> upon the dissolution rate (DR) of chemically pure Au and an alloy thereof with Ag at various strengths of the cyanide solution and various molecular ratios of Na and Cu cyanides. It is found that the maximum DR is attained for Au in solutions containing 0.05% Na cyanide, and for the alloy (15% Ag) when the cyanide content of the solution is 0.1%. When the solution contains the Cu complex, the DR rises with increase in the cyanide-to-Cu molecular ratio to 4 and declines at higher Cu contents. Under these conditions the DR of Au is greater than that of the alloy.

It is noted that in determination of free cyanide, AgNO3 titrates

Card 1/2 as much as 10% cyanide, combined in the complex Na<sub>2</sub>Cu(CN)<sub>3</sub>

SOV/137-58-8-16678

Composition and Behavior of a Copper-cyanide Complex (cont.)

even in the presence of an indicator. Changes in the method of titration are recommended. Bibliography: 21 references.

L.P.

1. Gold--Solubility 2. Cold-silver alloys--Colubility 3. Copper-cyanide compounds --Properties

Card 2/2

PIAKSIN, Igor' Nikolayevich; KAKOVSKIY, I.A., prof.doktor, retsenzent; KHOKHLOV, V.R., kand.tekhn.nauk, retsenzent; SKOBEYEV, I.K., prof. odktor, retsenzent; VESSONOV, S.V., prof., doktor tekhn.nauk, retsenzent; MARENKOV, Ye.A., red.; EL'KIND, L.M., red. izd-va; VAYESHTEYN, Ye.B., tekhn.red.

[Hetallurgy of precious metals] Metallurgiis blagorodnykh metallov. Hoskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tavetnoi metallurgii, 1958. 366 p. (MIRA 11:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Plaksin). 2. Irkutskiy gorno-metallurgicheskiy institut, kafedra metallurgii blagorodnykh metallov (for Khokhlov, Skobeyev). 3. Irkutskiy gorno-metallurgicheskiy institut kafedra obogashcheniya poleznykh iskopayemykh (for Bessonov)

(Precious metals--Metallurgy)

LECTOV, S.B.; KHOKHLOV, V.R.; BESSONOV, S.V.

1. Irkutskiy gornometallurgicheskiy institut. Kafedra metallurgiiblagorodnykh metallov.
(Gold--Metallurgy) (Cyanide process)

AUTHORS:

Leonov, S.B.,

SOV/149-58-4-17/26

Khokhlov, V.R.

Bessonov, S.V.

TITIE:

Elimination of Harmful Effects of Flotation Reagents on Concentrate Cyaniding (Ustraneniye vrednogo deystviya

flotoreagentov pri tsianirovanii kontsentrata)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Tsvetnaya

Metallurgiya, 1958, Nr 4, pp 122-123 (USSR)

ABSTRACT:

It has been known for some time that slowing down of the reaction observed sometimes in cyaniding flotation concentrates is not caused by a film of collector adhering to the surface of the gold grains but is due to froth formation. The present Authors studied this affect in the particular case of gold-rich concentrates from Taseyev deposits containing 49.7% SiO<sub>2</sub>, 4.18% Al<sub>2</sub>O<sub>3</sub>, 1.32% CaO, 17.63% S, 16.8% Fe, 1.1% As, 0.73% Sb, 0.13% Cu and 0.1% Zn. The first series of experiments consisted of armidian consisted of armidian

experiments consisted of cyaniding concentrate taken Card 1/4 straight from the filter-press and the same .

801/149-58-4-17/26

Elimination of Harmful Effects of Flotation Reagents on Concentrate Cyaniding

concentrate washed three times with water and dried at 150°C. The ratio of the 0.1% NaCN solution containing barium peroxide as the oxidising agent to the concentrate was 2 to 1 and the experiments, carried out in bottles attached to a mechanical mixer, laster 24 hrs. The values of gold recovery from the washed and untreated concentrate were 88 and 72% respectively. In the next series of experiments the liquor: solid ratio was increased to 3.5:1. Consequently, less froth was formed and under these conditions 95% gold was recovered from both untreated and washed concentrates. Since air bubbles may be broken up and the flotation reagents washed away when water is removed from the concentrate in the filter press, concentrate removed straight from the flotation machine was used in the next series of experiments in which stationary cyaniding vessels were employed. Here again the same gold recovery of 88% was obtained from both washed and untreated samples. However, when

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Elimination of Harmful Effects of Flotation Reagents on Concentrate Cyaniding

the same experiments were carried out in a laboratory mixer (5 litre capacity) a large quantity of froth was formed when unwashed concentrate was cyanided, with the result that only 72% of gold was recovered from this material as compared with 88% recovered from the washed concentrate. In the last series of experiments the froth formed during cyaniding was continuously broken up by mechanical means. Under these conditions high recovery values (up to 89%) were obtained from both washed and untreated samples. The experimental results confirmed the view that one of the causes of the harmful effect of the flotation reagents during cyaniding is frothing as a result of which some gold (particularly that contained in very fine

Card 3/4

AUTHORS:

Bessonov, S.V., Leonov, S.B. and Khokhlov, V.R.

TITIE:

Investigation of the Behaviour of Stibnite During Auto-clave Cyaniding of [Gold-bearing] Flotation Concentrates

(Izucheniye povedeniya stibnita pri avtoklavnom

tsianirovanii kontsentrata)

PERIODICAL:

Izvestiya Vysshikh Uchebnykh Zavedeniy, Tsvetnaya

Metallurgiya, 1958, Nr 6, pp 84 - 91 (USSR)

ABSTRACT:

The harmful effect of antimony compounds in extraction of gold by the cyanide process has been known since 1900 (Ref 1). The mechanism by which the solubility of gold in cyanide solutions is affected by the presence of various antimony compounds, particularly stibnite (SboS3), has

been extensively studied (Refs 2-8) and various methods of counteracting the effect of these compounds have been developed. In some cases, however, no difficulties have been encountered in treating certain types of gold ores (e.g. Transbaykal deposits) containing large proportions of antimony compounds, particularly when autoclave cyaniding was employed (Ref 9) and it was for this reason that the investigation described in the present paper was undertaken. The chemical and mineralogical composition

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507/149-58-6-10/19

Investigation of the Behaviour of Stibnite During Autoclave Cyaniding of [Gold-bearing] Flotation Concentrates

> of tibnite from the Transbaykal deposits used in the experiments is given in Table 1. In the first stage of the investigation the solubility of Sb2S3 (ground to

contain 87% particles less than 47  $\mu$  in size) in cyanide solutions was studied. The experiments consisted of placing 100 c.c. of a cyanide solution (0.15% NaCN) in a steel bomb with quantities of SboSz calculated to give

the Sb content in the concentrate equal to 1, 2 or 3%, the liquid/solid ratio being 3:1. The bomb was then revolved at 112 r.p.m. and the concentration of Sb in the filtrate was determined after 1, 2 and 4 hrs. The results of these experiments are reproduced in Figures 1, 2 and 3. Figure 1 shows the solubility of SboSz

(in mg/l.) in alkaline cyanide solutions as a function of time (hours) and the concentration of CaO in the solution for the case when the concentrate contained 1% Sb, the concentration of CaO being (1) 0.015%, Card2/7 (2) 0.025% and (3) 0.04% (Curves 1', 2', 3' - atmospheric

SOV/149-58-6-10/19 ·

Investigation of the Behaviour of Stibnite During Autoclave Cyaniding of [Gold-bearing] Flotation Concentrates

conditions, Curves 1, 2, 3 - autoclave reaction at 5 kg/cm2 pressure of air). The same relationship for concentrates containing 2 and 3% Sb is shown in Figures 2 and 3, respectively. It is evident that the solubility of Sb2S3 was higher in the autoclave reaction than under atmospheric conditions and that it increased with increasing concentration of Sb in the concentrate and CaO in the solution. Under the same experimental conditions the effect of Sb2S3 on the solubility of gold in cyanide solutions was studied by measuring the loss of weight of a gold foil (3.52 cm<sup>2</sup> surface area) and the concentration of gold in the solution after 1, 2 and 4 hours. It was found that in the presence of stibnite the amount of gold dissolved in the NaCN solution hardly increased with time, and after 4 hours, amounted to 0.425 mg/cm2, as compared with 9 mg/cm2 dissolved after 1 hour in the absence of Sb<sub>2</sub>S<sub>3</sub>. It was also observed that when Sb<sub>2</sub>S<sub>3</sub> was present,

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APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722130011-4"
Investigation of the Behaviour of Stibnite During Autoclave
Cyaniding of [Gold-bearing] Flotation Concentrates

a dark film was formed on the surface of the gold specimen and it was established by spectrographic analysis that this surface film contained both antimony and silicon. Since it had been reported that certain constituents of the gangue have a beneficial effect on the solubility of gold in the presence of Sb<sub>2</sub>S<sub>3</sub>, in the next series of experiments the effect of Al<sub>2</sub>O<sub>3</sub> and MgCO<sub>3</sub> additions was examined. The results are reproduced in Figure 4 showing the quantity of gold (mg/cm2) dissolved in the solution as a function of time, the various solutions containing: 1) a quantity of SbS, equivalent to 2% Sb in the concentrate, Al203 7.8%, MgCO<sub>3</sub> 0.97% (percent of the concentrate); 2) as in 1) but no MgCOz; 3) as in 1) but no  $Al_2O_3$ ; 4) stibnite only. It was found that in the presence of Al<sub>2</sub>O<sub>3</sub> and MgCO<sub>3</sub> (jointly or separately) the rate of solution of gold was greatly increased and to find an explanation of this effect the ionic composition of the

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507/149-58-6-10/19

Investigation of the Behaviour of Stibnite During Autoclave Cyaniding of [Gold-bearing] Flotation Concentrates

cyanide solutions containing Sb<sub>2</sub>S<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub> and MgCO<sub>3</sub> in various combinations was studied by the method developed by Illyuviyeva (Ref 10). The results are given in Table 2 showing the concentration (g-equiv, son) of the S ions in cyanide solutions containing 1.3 g Sb283 alone or in combination with 2.4 g Al<sub>2</sub>O<sub>3</sub> and/or 0.32 g MgCO<sub>3</sub>, after 1, 2 and 4 hours' operation. It can be seen that s2concentration in solutions containing SbSz alone was approx. 15 times higher than in those containing additions of Al203 and MgCO3. It was found also that while the Sb content of the solution containing all these three minerals was 36 mg/l. (after 4 hours), the concentration of Sb in the solution containing Sb<sub>2</sub>S<sub>3</sub> only was 146 g/l. In conclusion it is stated that: A) when alkaline cyanide solutions are used for treatment of gold-bearing concentrates containing stibnite, the latter is present in the solutions in the form of colloidal, negatively charged particles.

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APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722130011-4"

BOV/149-58-6-10/19
Investigation of the Behaviour of Stibnite During Autoclave
Cyaniding of [Gold-bearing] Flotation Concentrates

These are gradually adsorbed on the surface of the gold particles and slow down, or even completely prevent, the dissolution of the metal; B) the harmful effect of SbS, is considerably reduced when Al203 and MgCO3 are These compounds present in the flotation concentrate. adsorb the colloidal Sb283 particles as a result of which the possibility of the formation of the surface layer on gold particles is greatly reduced. At the same time conditions are created which are favourable for oxidation of the ions of the "sulphide" sulphur to the sulphate form more suitable for cyaniding. It is possible that the beneficial effect of MgCOz on the rate of solution of gold in the presence of SbSz consists of promoting coalescence of the colloidal particles of the latter compound; C) the results of the present investigation indicate that gold-bearing ores can be treated by direct application of the cyaniding process if Al203

Card6/7

## KHOKHIOV, V.T., elektromekhanik

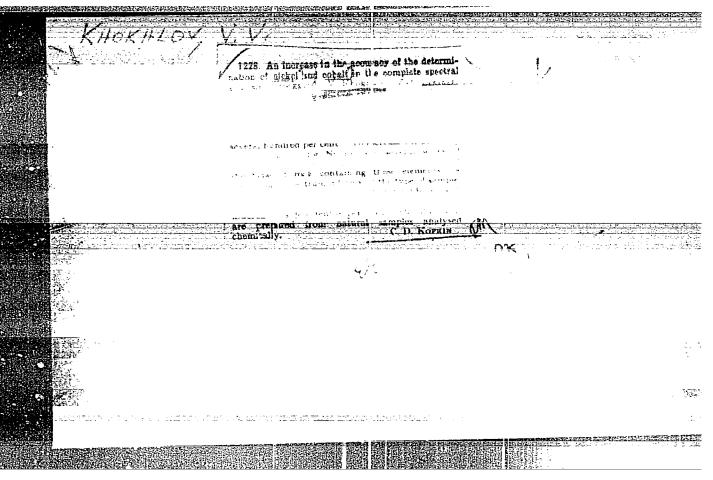
Difficulties in the servicing of route indicators. Avtom., telem.
1 svias' 2 no.11:41 N '58. (MIRA 11:12)

l.Ozherel'yevskaya distantsiya signalizatsii i svyazi Meskevske-Kursko-Denbasskey deregi. (Railreads--Signaling)

KHOKHLOV.V.V.; PROTOPOPOV.V.N. (deceased); DENISKNKO,L.I.; SMIRHOVA, Ie.Ia.; TIMONIHA,Z.G.

Method of semi-quantitative spedtrum analysis for 40-50 elements in rocks. Izv. AN SSSR. Ser. fiz. 19 no.1:115-116 Ja-F '55. (MIRA 8:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut (Spectrum analysis) (Spectrometer)



KLER, M.M.; PROTOPOPOV, V.N. [decensed]; DENISENKO, L.I.; SMIRNOVA, Ye.Ya.; TIMONINA, Z.G.; KHOKHLOV, V.V.; FILIPPOVA, B.S., red.izd-va; BYKOVA, V.V., Lekhn.red.

[Approximation quantitative spectral analysis of minerals based on 3d-order weakening of the intensity of the spectral lines; concise handbook] Priblizhennyi kolichestvennyi spektral'nyi analiz mineral'nogo syr'ia, osnovannyi na oslablenii intensivnosti spektral'nykh linii na tri poriadka; kratkoe rukovodstvo. Pod obshchei red. M.M.Klera. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr. 1959. 55 p. 10 charts. (MIRA 12:12)

1. Leningrad. Vsesoyuznyy geologicheskiy institut.
(Mineralogy) (Spectrum analysis)

# Possibility for reducing the exposure time in spectrum analysis of metallometric samples. Zap. IGI 36 no. 2:115-130 159. (MIRA 13:12)

(Ores--Spectra)

## KHOKHLOV, V. V.

Cand Geol-Min Sci - (diss) "Accelerated methods of spectral analysis as the basis for the study of distribution of various chemical elements in series of sedimentary rocks. (On the example of a study of ancient sedimentary rocks of the Russian pletform)." Leningrad, 1961. 18 pp; (Ministry of Geology and Minderal Resources Conservation USSR, All-Union Scientific Research Geological Inst "VSEGEI"); 250 copies; price not given; (KL, 5-61 sup, 181)

# TURSKIY, A.A.; KHOKHLOV, V.V.

Spectral determination of the composition of granites and ilmenite, having a small quantity of the initial material. Izv. vys. ucheb. zav.; geol. ii razv. 4 no.3:131-134 Mr '61.

(MIRA 14:6)

1. Leningradskiy gornyy institut imeni G.V.Plekhanova. (Ilmenite—Spectra) (Granite—Spectra)

KHOKHLOV, V.V.; GRICOR'YEVA, O.A.; RIVLINA, N.Ya.

Accuracy of the spectrum determination of the content of a series of elements in metallometric samples. Zap. LGI 39 no.2:149-162 (MIRA 15:2)

TARASOV, Konstantin Ivanovich; KHOKHLOV, Vladimir Vladimirovich; BERGER, S.I., red.; TELYASHOV, R.Kh., red. 1zd-va; GVIRTS, V.L., tekhn. red.

[New STE-1 diffraction spectrograph with crossed dispersion and its use in spectrum analysis] Novyi difraktsionnyi spektrograf so skreshchennoi dispersiei STE-1 i ego spektrosnaliticheskie vozmozhnosti. Leningrad, 1963. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Kontrol' kachestva produktsii, no.1) (MIRA 16:5)

(Spectrograph)

TOESTIKHINA, M.K.; KHOKHLOV, V. V.

Characteristics of the distribution of some chemical elements in the ancient coarse sedimentary rocks of the Pussian Platform Trudy VSEGEI 91:85-90 163.

lower boundary of the Cambrian of the Russian Platfors based on the distribution of trace elements in ancient sedimentary rocks. Ibid.:101-106 (MIRA 17:7)

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## KHOKHLOV, V.V.

Quantitative determination of the principal chemical elements in the complete spectrographic analysis of rocks. Zap. IGI 45 no. 2:81-90 163.

Accelerated methods of spectrographic analysis in the study of the distribution of chemical elements in sedimentary rocks. Ibid.:91-106 (MIRA 17:5)

TOLETIKHINA, M.M.; KHOKHLOV, V.V.

Characteristics of the distribution of some chemical elements in the ancient coarse sedimentary rocks, of the hussian flatform.

Trudy VSEGET 91:85-90 163.

lower boundary of the Cambrian of the Russian Platform based on the distribution of trace elements in ancient sedimentary rocks. Ibid.:101-106. (MIRA 17:7)

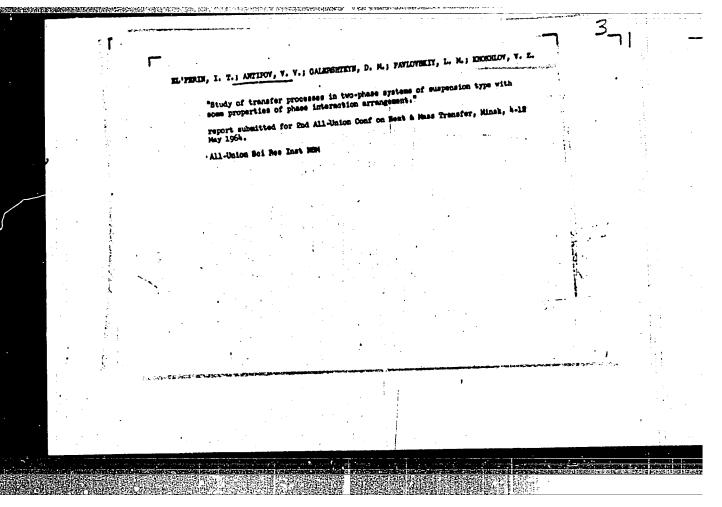
KATCHENKCV, Semen Mikhaylovich; FROKOF'YEV, V.K., prof., retsenzent; KLER, M.M., dots., retsenzent; KHOKHLOV, V.V., nauchn. red.; FEDOTOVA, M.I., ved. red.; BELTAKEV, M.F., dots., red.

[Spectrum analysis of rocks] Stektral'nyi araliz gornykh porod. Izd.2., perer. i dop. Leningrad, Nedra, 1964. 271 p. (MIRA 18:1)

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Compound therapy of angioratiouloms of the brain in children. Vop. neirokhir. no.1:28-30 '65. (MIRA 18:10)

1. Leningradskiy nauchno-issledovatel skiy neyrokhirurgicheskiy institut imeni &.I. Polenova (direktor - prof. V.M. Ugryumov).



KHOKHLOV, V.Z.

**建筑是全国建筑,加州市场的大型,对于**在大型,在全国的工作,在全国的工作,在一个工作,不同的工作,但是一个工作,但是一个工作,但是一个工作,但是一个工作,但是一个工

Surveyors must by familiar with the construction of surveying signals. Geod. i kart. no.1:52-53 Ja '61. (MIRA 14:9) (Surveying)

- 1. KHCKHLOV. Ye
- 2. USSR (600)
- 4. Coal
- 7. Higher quality of coal. Mast. ugl. 1, no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

KHOKHLOV Yo

Attachment for mounting KSKh-2.1 movers on DT-14 tractors.
Tekhsov. MTS 17 no.24:14 D '56. (MLRA 10:2)

(Mowing machines)

**HARREN HARREN BURGER (16.** TREETEN 18. TERMETEN 18. TERM

ICHOKHLOV, YE.A

112-3-5988

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 136 (USSR)

AUTHOR:

Khokhlov, Ye. A.

TITLE:

Technical Progress of Industrial Electric Rolling Stock (K voprosu tekhnicheskogo progressa elektropodvizhnogo sostava promyshlennogo transporta)

transpor

PERIODICAL:

In Sbornik: Materialy nauch.-tekhn. soveshchaniya po tyagovomu elektrooborudovaniyu, November 1953, Riga, 1955, pp. 139-142.

ABSTRACT:

Pointed out are several shortcomings in projecting a new series of industrial electric locomotives, which were proposed in 1949 by the Main Administration of Electric Machinery for Transportation of the Ministry of the Electrotechnical Industry of the USSR. This project provides for the production of electric locomotives only for electrification of railroad lines for open-cut mining; in this connection, not all requirements are fulfilled sufficiently. This series will provide only partial electrification of railroad transportation for metallurgical plants; in many cases, a lack of selection of a required type of electric locomotive will have a negative effect on the economics of electrification of industrial transportation. It is

Card 1/2

proposed that a project be developed immediately for producing a new series of industrial electric locomotives, on the basis of current

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Technical Progress of Industrial Electric Rolling Stock

demands of industrial transportation. The series should be sufficiently universal and restricted to only a few types (5 or 6 sizes of locomotives and 1 or 2 tenders). (State Design and Planning Institute of the Office for the Planning of Industrial Transportation)

I. V. I.

ASSOCIATION: State Design and Planning Institute of the Office for the Planning of Industrial Transportation (GPI Promtransproyekta)

Card 2/2

Section 1 and 1 an		Electrification of Rail Transport A. Litchilder. (Staff, 1955, 19) Litting Type of Soviet direct-cles of considered unsuitable for the sal works. The languages of the complete electrification of inder various conditions are forms		
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			t de l'important de l'Argente de la prime de l'important de l'impo	
<u> S</u> ur s			2	

KHOKHLOV, Ye.A., inshener.

Effective type of traction in open pit mine railroads. Gor.zhur. no.12:31-33 D '56. (MIRA 10:1)

1. Gosudarstvennyy politekhnicheskiy institut Promtransproyekt.
(Mine railroads)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722130011-4"

KHCKHLOV, Ye.A., inch.

Selecting the kind of traction for railroad traffic at metallurgical plants. Riul. TSNIICHM no.3:25-28 158. (MIRA 11:5)

(Railroad, Industrial—Locomotives)

STARTSEV, D.; KOLESHEV, S., zasluzhennyy deyatel nauki; BOYEV, V.;
KHOROKHORIN, D.; SKURIKHIN, I., KHOKHLOL, Ig.; BUYANOV, I.,
dvazhdy Geroy Sotsialisticheskogo Truda; TROFIMOV, A.; STEPANOV, N.;
FEDOTOV. S.

The road toward new achievements. Sots. trud. no.4:14-36 Ap 158.
(MIRA 11:4)

1. Starshiy ekonomist TSentral nogo planovo-ekonomicheskogo upravleniya Ministerstva sel'skogo khosyaystva SSSR (for Startsey). Chlen-korrespondent Vsesoyusnoy akademii sel'skokhozyaystvennykh nauk im. V.I. Jenina (for Kolesnev). 3. Zaveduvushchiy sektorom ekonomicheskogo stimulirovaniya sel'akokhozyayatvennogo proizvodstva Vsesoyuznoy akademii seliskokhozyaystvennykh nauk im. V.I. Ienina (for Boyev). 4. Zaveduyushchiy sel'skokhozyaystvennym otdelom Moskovskogo komiteta Kommunisticheskoy partii Sovetskogo Soyusa (for Khorokhorin). 5. Zaveduyushchiy kafedroy ekonomiki 1 organizatsii sel skokhozyaystvennogo proizvodstva Ivanovskogo sel skokhozyaystvennogo instituta (for Skurikhin). 6. Machal'nik Spetsial'nogo konstruktorskogo byuro zavoda sel'khozmashin im Ukhtomskogo (for Khokhlov). 7. Predsedatel kolkhoza "Vernyy put", " Ivanovskogo rayona, Ivi novskoy oblasti (for Trofinoy), 8, Glavnyy agronom Hamenskoy med himno-traktornoy stantsii (for Stepanov). 9. Sekretar' partiynoy organizatsii Ramenskoy mashinno-traktornoy stantsii (for Fedotov). 10. Predsedatel' kolkhoza im. Vladimira Il'icha (for Buyanov).

(Machine-tractor stations) (Collective farms)

 KHOKHLOV, Yevgeniy Anatol'yevich, inzh.; SOROKIN, Vladimir Ivanovich, inzh.;
POTAPOV, N.G., otv.red.; KOLOMIYTSKV, A.D., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.; BOLDYREVA, Z.A., tekhn.red.

[Electric traction in strip mines] Elektricheskaia tiaga na ugol'nykh kar'erakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomi
delu. 1960. 407 p. (MIRA 13:9)

(Nine railroads)

KHOKHLOV, Ye.A., inzh.

Advantages of the use of diesel and electric traction on industrial railroads. Zhel.dor.transp. 43 no.8:71-76 Ag '61.

(Railroads, Industrial)

